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FITC Anti-Mouse CD1d Antibody[19G11]

Catalog Number: E-AB-F1032C

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse **Host** Rat

Isotype Rat IgG2b, κ **Clone No.** 19G11

Isotype Control FITC Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

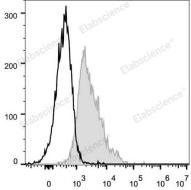
Applications Recommended usage

FCM Each lot of this

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD1d Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

Rev. V1.5

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names Antigen-presenting glycoprotein CD1d1;CD1d.1;Cd1.1;Cd1d1

 Uniprot ID
 P11609

 Gene ID
 12479

For Research Use Only

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Background

CD1d is a type I transmembrane protein and member of the MHC family, with a molecular weight ranging from 43-49 kD, depending on the glycosylation degree. CD1d is expressed by antigen presenting cells such as dendritic cells, monocytes, macrophages and B cells; also expressed by thymocytes and intestinal epithelial cells. CD1d present glycolipids to iNKT cells that recognize them by their $V\alpha14i$ TCR.

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